

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/008580

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/82

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, BIOSIS, Sequence Search, EMBASE, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! 22 January 2002 (2002-01-22), "Physcomitrella patens subsp. patens cDNA clone:pphb18g10, 5' end, single read." XP002316886 retrieved from EBI accession no. EM_PRO:BJ176671 Database accession no. BJ176671 the whole document	1,2
A	----- -/-	3-22

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

9 February 2005

Date of mailing of the international search report

23/02/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! 22 January 2002 (2002-01-22), "Physcomitrella patens subsp. patens cDNA clone:pph18g08, 5' end, single read." XP002316887 retrieved from EBI accession no. EM_PRO:BJ160219 Database accession no. BJ160219	1,2
A	the whole document -----	3-22
X	DATABASE EMBL 'Online! 22 January 2002 (2002-01-22), "Physcomitrella patens subsp. patens cDNA clone:pphb19d05, 5' end, single read." XP002316888 retrieved from EBI accession no. EM_PRO:BJ176917 Database accession no. BJ176917	1,2
A	the whole document -----	3-22
X	HOLTORF H ET AL: "Promoter subfragments of the sugar beet V-type H <sup>+</sup> -ATPase subunit c isoform drive the expression of transgenes in the moss Physcomitrella patens." PLANT CELL REPORTS, vol. 21, no. 4, November 2002 (2002-11), pages 341-346, XP002316884 ISSN: 0721-7714 cited in the application page 341, right-hand column, line 10 - line 13	1,2
A	same passage -----	3-22
X	KASTEN B ET AL: "The plastome-encoded zfp A gene of a moss contains procaryotic as well as eucaryotic promoter consensus sequences and its RNA abundance is modulated by cytokinin" CURRENT GENETICS, NEW YORK, NY, US, vol. 22, no. 4, 1992, pages 327-333, XP002955557 ISSN: 0172-8083 page 328, left-hand column, last paragraph - right-hand column, paragraph 1; figure 2 page 332, left-hand column, paragraph 1	1,2
A	same passages -----	3-22
A	DE 199 47 290 A1 (GREENOVATION PFLANZENBIOTECHNOLOGIE GMBH) 19 April 2001 (2001-04-19) cited in the application -----	

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	<p>SCHAEFER DIDIER G: "A new moss genetics: Targeted mutagenesis in <i>Physcomitrella patens</i>" ANNUAL REVIEW OF PLANT PHYSIOLOGY AND PLANT MOLECULAR BIOLOGY, ANNUAL REVIEWS INC, XX, vol. 53, 2002, pages 477-501, XP002233936 ISSN: 1040-2519 cited in the application page 489 - page 492</p>	
T	<p>----- JOST WOLFGANG ET AL: "Isolation and characterisation of three moss-derived beta-tubulin promoters suitable for recombinant expression." CURRENT GENETICS. FEB 2005, vol. 47, no. 2, February 2005 (2005-02), pages 111-120, XP002316885 ISSN: 0172-8083 -----</p>	

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